Schottky Barrier Diode

RB521M9-30

◇ Low current rectification
◇ Low forward voltage
◇ **SOD923** Micro SMD package (Fig-1)
   Dimensions: 1.0 mm x 0.6 mm (0.039" x 0.024")
◇ RoHS compliant
◇ UL-94 V-0 / Green EMC
◇ Matte Tin Lead finish (Pb-Free)
◇ Moisture Level Sensitivity 1
◇ Cathode Band / Device marking:

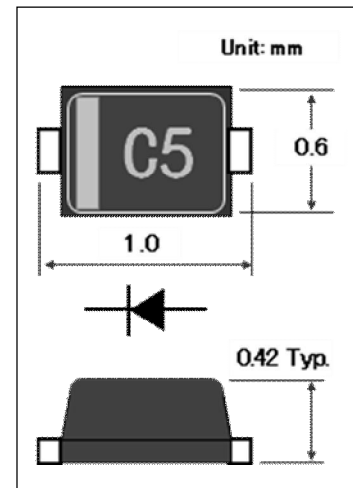| Device Marking Code	
RB521M9-30	C5

Fig -1 Package **SOD923**

Absolute Maximum Ratings（Ta = 25 ℃）

Symbol	Parameter	Value	Units
V_{RRM}	Repetitive Peak Reverse Voltage	30	V
V_{R}	Reverse Voltage	30	V
I_{O}	Continuous Forward Current	100	mA
I_{FSM}	Non-Repetitive Peak Forward Current *1	500	mA
T_{J}	Junction Temperature	125	℃
T_{STG}	Storage Temperature	−55 to +125	℃

*1: 8.3ms Single Half Sine-Wave

Electrical Characteristics（Ta = 25 ℃）

Symbol	Parameter	Conditions	Min	TYP	Max	Units
V_{F}	Forward Voltage	I_F = 10mA			0.35	V
		I_F = 100mA			0.55	V
BV_{R}	Breakdown Voltage	I_R = 100 μ A	30			V
I_{R}	Reverse Current	V_R = 10V			10	μ A
		V_R = 30V			50	μ A

Ordering Information

Device	Package	Shipping	Tape wide	Embos pitch	Tape specification	Notes
RB521M9-30	SOD923	8,000 pcs / 7" Reel	8 mm	2 mm	Conductive	

Package Dimensions

（Unit: mm）

SOD923 * Package Outline

Land Pattern Recommendation